

## CLAIMS

We claim:

5           1.     A method for binding an object member at runtime comprising:  
declaring said object member in a program written in a dynamically typed programming  
language; and  
running said program comprising,

determining whether said object member is used; and

10           binding said object member to its reference if said object member is used.

          2.     The method of claim 1 wherein said object member is a class member of  
said dynamically typed programming language.

15           3.     The method of claim 1 wherein said object member is a class method of  
said dynamically typed programming language.

          4.     The method of claim 3 wherein said class method is a virtual method of an  
object of said dynamically typed programming language.

20           5.     The method of claim 1 further comprising:  
using an access control level wherein a public member and a private member have  
different access rights.

25           6.     A computer program product comprising:

a computer useable medium having computer readable program code embodied therein configured to bind an object member at runtime, said computer program product comprising:

- 5 computer readable code configured therein to cause a computer to declare said object member in a program written in a dynamically typed programming language; and computer readable code configured therein to cause a computer to run said program comprising,
- computer readable code configured therein to cause a computer to determine whether said object member is used; and
- 10 computer readable code configured therein to cause a computer to bind said object member to its reference if said object member is used.

7. The computer program product of claim 6 wherein said object member is a class member of said dynamically typed programming language.

15 8. The computer program product of claim 6 wherein said object member is a class method of said dynamically typed programming language.

9. The computer program product of claim 8 wherein said class method is a virtual method of an object of said dynamically typed programming language.

20 10. The computer program product of claim 6 further comprising: an access control level wherein a public member and a private member have different access rights.